

WHAT IS CLAIMED:

1 1. An electrical medical electrode connector comprising:
2 a housing, wherein at least one end of the housing forms a cable connector;
3 an electrical conductor electrically connected to a socket within a shell of the
4 cable connector; and
5 identifier disposed within the housing that communicates information to a
6 defibrillator.

1 2. The electrical medical electrode connector of claim 1 further comprising
2 a pair of defibrillator electrodes electrically connected to the housing.

1 3. The electrical medical electrode connector of claim 1 further comprising
2 a set of monitoring pads electrically connected to the housing.

1 4. The electrical medical electrode connector of claim 3 wherein a plurality
2 of electrode pads are provided.

1 5. The electrical medical electrode connector of claim 4 wherein three
2 electrode pads are provided.

1 6. The electrical medical electrode connector of claim 4 wherein five
2 electrode pads are provided.

1 7. The electrical medical electrode connector of claim 4 wherein twelve
2 electrode pads are provided.

1 8. The electrical medical electrode connector of claim 1 wherein the
2 identifier communicates an identification value selected from the group consisting of:
3 light amplitude, wavelength, polarization, hertz, resistance, capacitance, gauss,
4 electrical contact.

5 9. The electrical medical connector of claim 1 wherein the identifier is
6 selected from the group consisting of: optical, electromechanical, electrical, resistive,
7 capacitive, and magnetic.

1 10. A defibrillator comprising:

2 2 3 at least one electrode pad having an electrode pad type operable to
3 contact a patient;

4 4 5 a medical electrode connector, connected to the defibrillator electrode
5 pad on one end and the defibrillator on the other end, operable to identify the
6 electrode pad type to the defibrillator;

7 7 8 a front-end circuit operation to be coupled to the electrode pad and to
8 receive identification information from the electrode pad;

9 9 a shock delivery circuit coupled to the electrode pad; and

10 10 11 a processor coupled to the front-end and shock delivery circuits and
11 operable to determine whether the patient is experiencing a shockable heart
12 condition and to enable the shock-delivery circuit to deliver a shock to the
13 patient via the electrode pads if the processor determines that the patient is
14 experiencing a shockable heart condition.

1 11. The defibrillator of claim 10 wherein the medical electrode connector is
2 removably connectable to the defibrillator.

1 12. The defibrillator of claim 10 wherein the medical electrode connector is
2 removably connectable to the electrode pads.

1 13. The defibrillator of claim 10 wherein medical electrode connector has
2 an identification module operation identify the electrode pad type to the defibrillator.

1 14. The defibrillator of claim 13 wherein the identification module
2 communicates at least one identification value to the defibrillator.

1 15. The defibrillator of claim 14 wherein the identification value is selected
2 from the group consisting of light, open/short, resonant frequency, resistance,
3 capacitance, or gauss.

1 16. The defibrillator of claim 10 wherein the defibrillator further comprises
2 an identifier receiver operable to interface between the medical electrode connector
3 and the front-end circuit.

1 17. A method of deploying a defibrillator comprising:
2 turning the defibrillator on;
3 attaching electrode pads to a patient;
4 inserting a cable connector associated with the electrode pads into a housing
5 for receiving the cable connector within the defibrillator;
6 identifying the type of electrode pads based on an identifier within the cable
7 connector associated with the electrode pads;
8 altering therapy delivered by the defibrillator based on the type of electrode
9 pads identified; and
10 altering patient care instructions such as CPR based on the type of electrode
11 pads identified..

1 18. The method of claim 17 further comprising the step of:
2 adjusting the amount of energy delivered to a patient in response to the electrode
3 pad identification.

1 19. The method of claim 17 further comprising the step of:
2 lowering the amount of energy delivered to a patient if the electrodes are identified
3 as infant electrodes.

1 20. The method of claim 17 further comprising the step of:
2 lowering the amount of energy delivered to a patient if the electrodes are identified
3 as child electrodes.

1 21. The method of claim 17 further comprising the step of:
2 following a default therapy protocol if the electrode identification value is not
3 recognized.

1 22. The method of claim 17 further comprising the step of:
2 following a default therapy protocol if no electrode identification value is received.

1 23. The method of claim 17 further comprising the step of:
2 altering a patient treatment protocol such as CPR to conform to the type of patient
3 being treated.

1 24. The method of claim 17 further comprising the step of:
2 indicating use of the infant CPR protocol if the electrodes are identified as infant
3 electrodes.

1 25. The method of claim 17 further comprising the step of:
2 indicating use of the child CPR protocol if the electrodes are identified as child
3 electrodes.

1 26. The method of claim 17 further comprising the step of:
2 following a default CPR protocol if the electrode identification value is not
3 recognized.

1 27. The method of claim 17 further comprising the step of:
2 following a default CPR protocol if no electrode identification value is received.

- 1 28. The method of claim 17 further comprising the step of:
2 indicating use of the CPR protocol recommended by the American Heart Association
3 if the electrodes are identified as AHA electrodes.

- 1 29. The method of claim 17 further comprising the step of:
2 indicating use of the CPR protocol recommended by the European Resuscitation
3 Council if the electrodes are identified as ERC electrodes.

- 1 30. The method of claim 17 further comprising the step of:
2 indicating use of the CPR protocol recommended by specific organizations if the
3 electrodes are identified as electrodes specific to that organization.

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A handwritten signature in black ink, appearing to read "John Doe".